

ABSTRACT OF THE DISCLOSURE

A light generating module 1 comprises a housing 2, a semiconductor light-emitting device 4, a driving element 6, and a monitoring light-receiving device 8.

5 The monitoring light-receiving device 8 is optically coupled with the semiconductor light-emitting device 4. The driving element 6 drives the semiconductor light-emitting device 4. The housing 2 contains the semiconductor light-emitting device 4, the driving

10 element 6, and the monitoring light-receiving device 8. These elements 4, 6, and 8 are disposed sequentially along a predetermined axis. The driving element 6 is disposed between the semiconductor light-emitting device 4 and the monitoring light-receiving device 8.

15 This configuration makes it possible to dispose the driving element 6 close to the semiconductor light-emitting device 4 so as to achieve a transmission rate of 10 Gbps without degrading the optical coupling between the semiconductor light-receiving device 8 and

20 the semiconductor light-emitting device 4.

20020721 175400